COOLER MASTER
TECHNOLOGY OF EVOLUTION

450W Real Power

RS-450-ACLX/Y

Introduction

Power Supply is a key component to supply all power requirements in supporting PC operation to maintain continuous stability and reliability of a computer system. Cooler Master's power supply lets your PC operate better and more efficient, with the best power source as it comes into your PC. It also enhances system reliability by preventing mains abnormal supply from spikes and surges. In addition, the power supply provides your system with perfect protection. The RS-450-ACLX/ACLY is a standard ATX-12V PS2 power supply offering more power capacity for CPU usage.

A user friendly Human Computer Interface to show total power consumption

Output Specifications

AC INPUT	115V/230V 8A/4A 50/60Hz					
DC OUTPUT	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
PEAK	30A	35A	18A	16A	1.0A	2.5A
CONTINUITY	20A	25A	12A	10A	1.0A	2.0A
MAX. POWER	191W		264W		12W	10W
	450W					

Specification

Type	ATX Form Factor
Input Voltage	90~264V (Auto-range) for Active
Input Current	8A @ 115Vac / 4A @ 230Vac
Input Frequency Range	47~63 Hz
Power Good Signal	100 ~ 500 ms
Hold Up Time	> 17ms
Efficiency	> 75% Typically
Output Capacity	450W Continually
MTBF	> 400,000 Hours
Dimension	Standard ATX 150 x 140 x 86 (mm)
Operation Temperature	0~40℃
Safety	Nemko / TUV / cUL / CE / CNS

Features

- Fully supports the newest Intel standard ATX 12V Version 2.0
- Super silent operation with intelligent fan speed control (< 20dBA)
- Power consumption management by human computer interface
- Support dual +12V$_1$ and +12V$_2$ outputs for higher power usage
- Green power design to meet energy star and blue angle requirement
- More than 75% efficiency at typical load operation
- Higher reliability (MTBF > 400,000 hours)
- OVP / OCP / OTP / OLP / Short / Full protection
- Active power factor correction (PF > 0.99)
- Real power capacity satisfy hi-end system operation

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New Technology

RS-450-ACLX/Y

Human Computer Interface

- Show total power consumption of your system.
- Accurate measurement in all conditions.
- Fits in all 3.5 drive bay.

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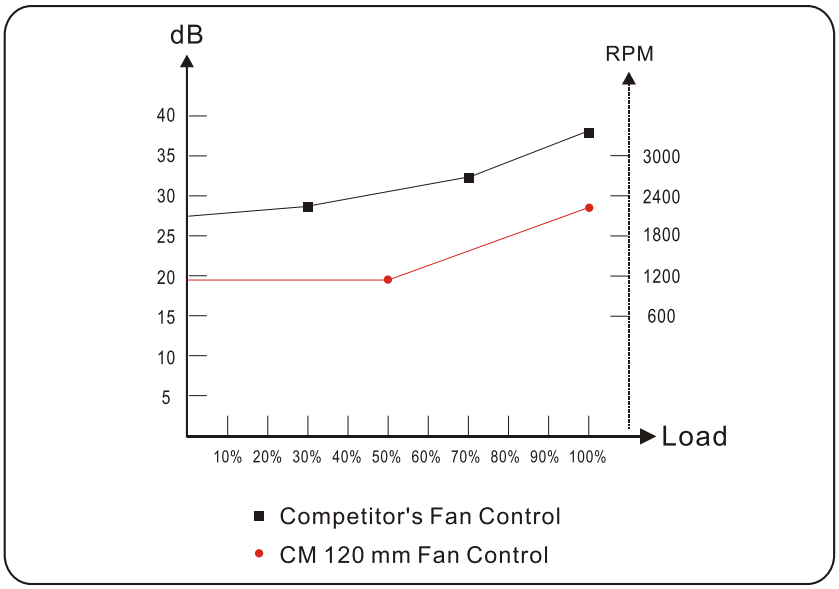
Silent Solution

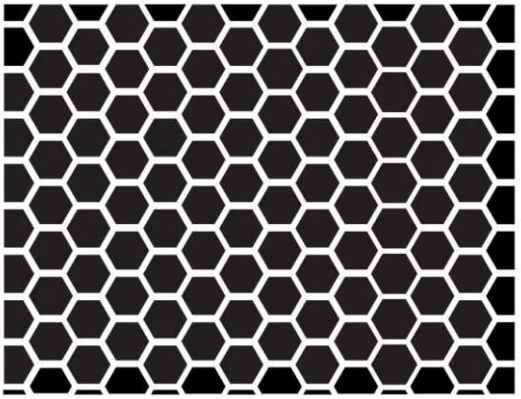
RS-450-ACLX/Y

Intelligent Fan Speed Controller



- Automatic temperature adjustment to prevent manual errors
- Extends fan life to avoid unnecessary rotation

Honey Comb Structure



- Minimize air resistance and reduce noise.

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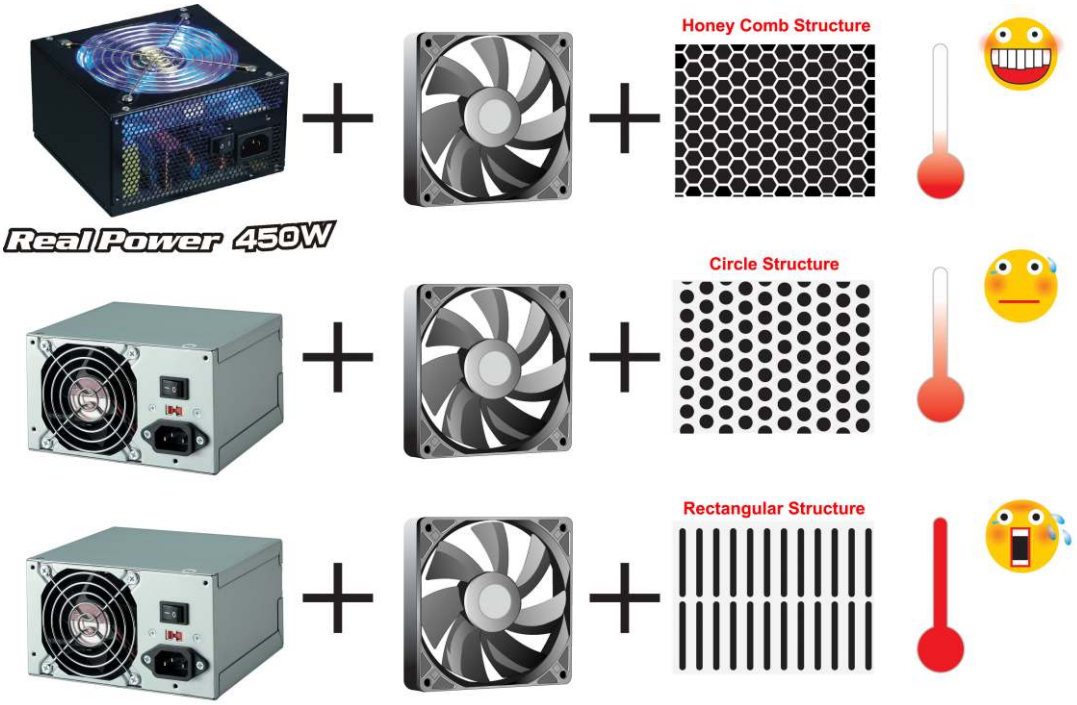
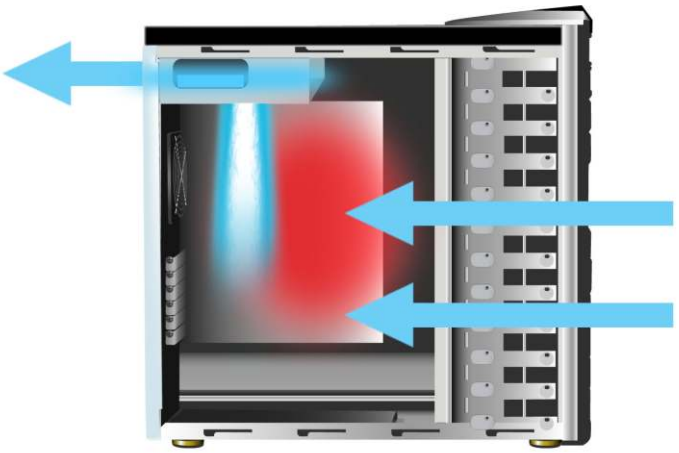
450W Real Power

Thermal Solution

RS-450-ACLX/Y



- Honey Comb Structure maximize airflow to solve thermal solution



120 mm fan increase system performance by cooling the CPU ambient temperature

- Double the airflow with half noise and RPM

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